

REMARKS

The subject matter of the instant claims is distinct from that cited in the various references for at least the following reasons. Applicants request reconsideration of the claims as now pending, and withdrawal of the outstanding rejections.

Daniloff I, WO2002057788 (herein '57788) discloses certain boronate compounds comprising an anthracene moiety. In each instance, the anthracene moiety is unsubstituted beyond the boronate-containing substituents (hereinafter "unsubstituted anthracene").

The instant claims collectively require substituted anthracene (i.e., substituted beyond the boronic acid substituents). Claim 26 requires a substituent defined by R3; claim 32 requires an acetylated anthracene; and claim 37 requires an anthracene substituted with a linker-arm, R8. Daniloff I does not describe or suggest such substituted anthracene-containing compounds.

Daniloff II, WO2002054067 (herein '54067), likewise discloses various examples including anthracene moieties. Neither the disclosed examples, nor the general description, describe or suggest compounds having the substituted anthracene moieties as now claimed and described above.

The cited Abstract of Colvin USPN 6794195 ('195) likewise fails to disclose the claimed subject matter. The Abstract does not disclose any specific compounds, and thus does not anticipate the claimed subject matter. The '195 disclosure elsewhere includes various examples of bis-boronate compounds containing an anthracene moiety; however, none of those are substituted anthracene moieties as claimed here and as described above.

The cited portion of James I, GB2284809, discloses an anthracene-containing diboronic acid fluorophore wherein the anthracene is otherwise unsubstituted. Thus, the cited portion of James I does not anticipate the claimed subject matter.

James II, JACS, 117, 8982-87, (1995), also discloses anthracene-containing mono- or di-boronic acids wherein the anthracene moieties are otherwise unsubstituted. The di-boronic acids comprising otherwise substituted anthracenes of the presently claimed subject matter are neither taught nor suggested by James II.

James III (JACS, Chem Communications, 14, 1483-85 (1995)), discloses diboronic acid compounds containing otherwise unsubstituted anthracene, and including a biscrown (15-crown-5 rings) metal ether sandwich. The presently claimed subject matter does not include compounds comprising either of those moieties. Accordingly, the claimed subject matter is not anticipated by the cited abstract of that reference.

Linnane, Tet. Letts., 36, No. 48, 8833-34 (1995), describes certain boronic acid compounds. However, none of the described compounds includes an anthracene moiety as now required by the instant claims. Accordingly, Linnane neither teaches nor suggests the claimed subject matter.

The Bell et al., Abstract has also been cited as teaching the claimed subject matter. The Abstract contains no disclosure of particular compounds, or sensors, or sensor components, but rather is directed to a particular method for measuring an analyte from interstitial fluid of a body. Thus, the cited portion does not teach or suggest the claimed subject matter.

Elsewhere, the Bell disclosure includes an example of a diboronic acid containing an otherwise unsubstituted anthracene compound from a reference by Dr.

Tony James (col. 4, lines 34-40). That compound, however, does not teach or suggest the claimed subject matter, which are limited to anthracene-containing diboronic acid compounds wherein the anthracene is substituted beyond the two boronic acid-containing moieties. Thus, the James compound, as reproduced by Bell et al., does not teach or suggest the claimed subject matter.

In view of the foregoing amendments and remarks, applicants respectfully request reconsideration and withdrawal of all outstanding rejections. Applicants submit that the claims are now in condition for allowance, and respectfully request formal notification to that effect. If, however, the Examiner perceives any impediments to such a notice of allowability, whether substantive or formal, the Examiner is encouraged to call Applicants' attorney at the number provided below. Such informal communication will expedite examination and disposition of this case.

Respectfully submitted,

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